

switch means for connecting either said first or second power source to the fluorescent lamp,

said second power source comprising one or more power generators for producing pulse modulated wave pulses of duty cycles less than 100% and in a frequency range of from 60-400 hz.

14 18. The system in accordance with claim 17 wherein said second power source produces pulses at approximately 100 hz.

15 19. The system of claim 17 wherein said second power source comprises a source of supply voltage, first and second transistors connecting opposite terminals of the fluorescent lamp to one side of the supply voltage, and means for applying signals to said transistors at a duty cycle to achieve desired lower brightness level.

16 20. The system in accordance with claim 17 wherein said second power source comprises

a constant current source,

a first pair of a series connected resistor and transistor connecting said constant current source to opposite sides of the fluorescent lamp,

a second pair of series connected resistor and transistor, each of said transistor of said first pair being connected to the connection between the resistor and transistor of one said second pair,

and means for applying voltage signals to said transistors of said second pair to provide the appropriate duty cycle for the low level of brightness desired.

Remarks

New claims 17 through 20 are being added further to protect applicants' invention. New independent claim 17 recites the specific combination of applicants'